

ABSTRACT OF THE DISCLOSURE

5 A linear motor includes an outer case; a stator
installed at the inner side the outer case and having a
first and a second armature coil parts; a first to a
third shafts assembled in the inner side of the first
and the second armature coil parts of the stator; a
first permanent magnet part having a plurality of
permanent magnets assembled in a ring-type at the outer
10 circumferential surface of the first shaft; and a second
permanent magnet part having a plurality of permanent
magnets assembled at the outer circumferential surface
of the third shaft. Since the first permanent magnet and
the second permanent magnet are separately constructed
15 on the outer circumferential surface of the shaft to be
assembled, the linear movement of the linear motor can
be precisely controlled when the linear motor is
linearly moved, and the permanent magnet to be assembled
at the rotation movement zone can be attached later.